

PHENOLICS EPA 420.1 Rev 0 1978					
Facility Name: _____ VELAP ID _____					
Assessor Name: _____ Analyst Name: _____ Inspection Date _____					
Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst: _____					
Sample ID: _____ Date of Sample Preparation: _____ Date of Analysis: _____					
Are samples stored at < 4 C and analyzed within 24 hours after collection?	4.1				
Was 500 mL of sample adjusted to pH of ~ 4 with H3PO4 and 5 mL of CuSO4.					
Was the above sample 50 mL of distillate?	7.1.1				
Was an additional 50 mL of warm water added to distiller and distillation resumed until a total of 500 mL collected?	7.1.2				
Was the distillate filtered with a prewashed membrane filter if turbid?	7.1.3				
Direct Spectrophotometric Method Were working standards prepared as 0, 50, 100, 200, 500, 800, 1000 ug/L?	7.2.1				
To 100 mL of distillate or aliquot diluted to 100 mL was 2-mL of NH4Cl buffer solution added which will adjust the pH to 10 +/- 0.2.	7.2.2				
After addition of 4-AAP and K3Fe(CH)6 in order listed, did analyst wait 15 minutes before reading absorbance at 510 nm?	7.2.5				
Chloroform Extraction Method Were working standards prepared as 0, 6, 10, 20, 40, 50-ug/L (Standards may be prepped in 500 separatory funnels)?	7.3.1				
Is 500 mL or an aliquot diluted to 500 mL added to a 500 mL separatory funnel (Sample should contain < 50 ug/L phenol)?	7.3.2				
Notes/ Comments:					

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To samples and standards was 10 mL of NH ₄ Cl buffer added to achieve 10 +/- 0.2?	7.3.3				
After addition of 4-AAP and K ₃ Fe(CH) ₆ did analyst wait 3 minutes before adding 25 mL of chloroform?	7.3.6				
Was the funnel shaken at least 10 times, the chloroform allowed to settle, shaken at least 10 more times, and again the chloroform allowed to settle?	7.3.6				
Was the chloroform extract filtered without the addition of any additional chlorofoem?	7.3.7				
Was absorbance read at 460 nm?	7.3.8				
Was calibration performed with the standards blank and at least 3 standards?	8.2				
Was a calibration curve made for "every hour of continuous sample analysis?"	8.2				
Was one spike duplicate analyzed per 10 samples?	8.6				
Does method performance meet the criteria shown in the method?	9				
Notes/ Comments:					